INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/051064

		ľ	PCT/EP2004/051064							
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H05K7/02 G02F1/13										
According t	io International Patent Classification (IPC) or to both national class	ification and IPC								
B. FIELDS	SEARCHED									
Minimum documentation searched (classification system tollowed by classification symbols)										
IPC 7	HO5K GO2F GO9F									
Documenta	tion searched other than minimum documentation to the extent the	at such documents are includ	od in the first							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched										
CDO T	data base consulted during the international search (name of data	base and, where practical, s	earch terms used)							
EPO-1n	ternal, PAJ									
	·									
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Dolario de la companya de la company							
			Relevant to daim No.							
Α	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 03.		1-10							
	31 March 1997 (1997-03-31)									
	-& JP 08 313880 A (ROHM CO LTD)									
	29 November 1996 (1996-11-29)	,								
	abstract									
Α	US 5 568 357 A (KOCHIS GARY ET	AL >								
i	22 October 1996 (1996-10-22)	ALJ	1-10							
	abstract: figures 1.6.7									
	column 5, line 48 - column 6, li	ine 8								
A	DE 34 08 176 A (SIEMENS AG)									
.	19 September 1985 (1985-09-19)		1-10							
}	the whole document									
1		-/								
i										
Y Furth	er documents are listed in the continuation of box C.									
		Patent family men	nbers are listed in annex.							
	egories of cited documents :	*T* later document publish	ed after the International filing date							
"A" documer conside	nt defining the general state of the art which is not ered to be of particular relevance		t in conflict with the application but e principle or theory underlying the							
E° earlier do	ocument but published on or after the international	arvermon								
"L" documen	If which may throw doubts on product elements on		relevance; the claimed invention novel or cannot be considered to							
	s cited to establish the publication date of another or other special reason (as specified)	mivolve all littlelitive S	lep when the document is taken alone relevance; the claimed invention							
"O" documer	nt referring to an oral disclosure, use exhibition or									
Other in	eans at published prior to the International filing date but	monto, such comping	d with one or more other such docu- ion being obvious to a person skilled							
W.C. 1110	Thrife priority date claimed	in the art. *&* document member of the same patent family								
Date of the ad	clual completion of the international search		ntemational search report							
31	August 2004	13/09/200	4							
Name and ma	ailing address of the ISA									
	European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer								
	Tel. (+31–70) 340–2040, Tx. 31 651 epo ni									
	Fax: (+31-70) 340-3016	Batev, P								

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051064

ategory	etion) DOCUMENTS CONSIDERED TO BE RELEVANT	
педогу ч	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
1	EP 0 911 675 A (BOSCH GMBH ROBERT) 28 April 1999 (1999-04-28) paragraphs '0031! - '0048!; figures 1,3	1-10
4	US 4 357 061 A (CROSBY JOHN B) 2 November 1982 (1982-11-02) column 2, line 23 - column 4, line 50; figures 1-3	
1	US 6 108 213 A (YAMAMOTO SATORU ET AL) 22 August 2000 (2000-08-22) column 1, lines 10-35 column 3, line 47 - column 4, line 37	
	US 4 619 431 A (MATSUI KAZUHIRO ET AL) 28 October 1986 (1986-10-28) column 2, lines 25-60; figures 1-3	
	·	
:		

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/EP2004/051064

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
JP 08313880	Α	29-11-1996	NONE		
US 5568357	Α	22-10-1996	NONE	·~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
DE 3408176	Α	19-09-1985	DE	3408176 A1	19-09-1985
EP 0911675	A	28-04-1999	DE EP JP	19747288 A1 0911675 A2 11202788 A	
US 4357061	Α	02-11-1982	NONE		
US 6108213	A	22-08-2000	JP JP AU AU	2944641 B2 2000013271 A 751420 B2 3393599 A	14-01-2000
US 4619431	Α	28-10-1986	JP DE DE FR GB	60101788 U 3445379 A1 8436424 U1 2561422 A1 2151833 A	28-03-1985 20-09-1985